

SN:09/758,802

Q<sup>1</sup> Capital Square, 400 Locust Street, Des Moines, Iowa 50309-2340 since prior to the filing date of this application. This deposit of the Inbred Maize Line PH581 will be maintained in the ATCC depository, which is a public depository, for a period of 30 years, or 5 years after the most recent request, or for the effective life of the patent, whichever is longer, and will be replaced if it becomes nonviable during that period. Additionally, Applicants have satisfied all the requirements of 37 C.F.R. §1.801 - 1.809, including providing an indication of the viability of the sample. Applicants impose no restrictions on the availability of the deposited material from the ATCC; however, Applicants have no authority to waive any restrictions imposed by law on the transfer of biological material or its transportation in commerce. Applicants do not waive any infringement of their rights granted under this patent or under the Plant Variety Protection Act (7 USC 2321 et seq.). U.S. Plant Variety Protection of Inbred Maize Line PH581 has been applied for under Application No. 200100250.

## IN THE CLAIMS

Please cancel claims 33, 45, and 46.

Please amend claims 1, 3, 5, 6, 14, 16, 19, 20, 21, 22, 24, 25, 35, 37, 40, 41, 42, 43, 48, and 49 as follows:

Q<sup>2</sup> 1. (Amended) Seed of maize inbred line designated PH581, representative seed of said line having been deposited under ATCC Accession No. PTA-4432.

Q<sup>3</sup> 3. (Amended) The maize plant of claim 2 further comprising a genetic factor conferring male sterility.

Q<sup>4</sup> 5. (Amended) A tissue culture according to claim 4, cells or protoplasts of the tissue culture being from a tissue selected from the group consisting of leaves, pollen, embryos, roots, root tips, anthers, silks, flowers, kernels, ears, cobs, husks, and stalks.

6. (Amended) A maize plant regenerated from the tissue culture of claim 4, capable of expressing all the morphological and physiological characteristics of inbred line PH581, representative seed of which have been deposited under ATCC Accession No. PTA-4432.